

Patent Abstracts of Japan

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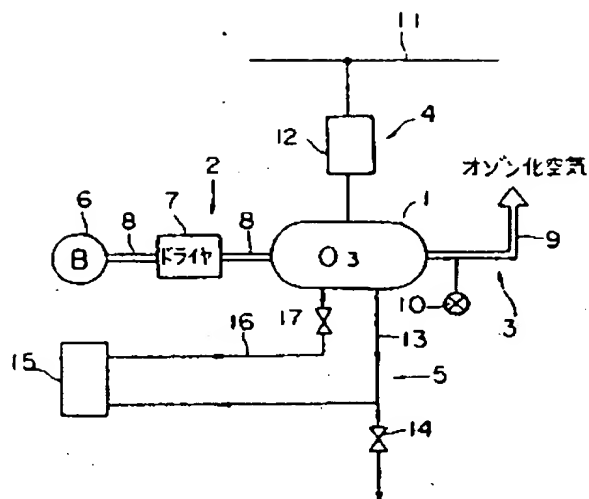
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TITLE : OZONIZER



ABSTRACT : PURPOSE: To remove NO_x generated on the inner surface of a discharge tube and to prevent the deterioration of a conductive film by stopping the cooling of an ozonizer by an operation stop command, stopping the discharge of the ozonizer and stopping the supply of raw air based on the detected gas outlet temp.

CONSTITUTION: Cooling water is supplied to the discharge tube in the ozonizer 1 when operation is commanded, and the supply of cooling water is stopped by an operation stop command. The temp. of the ozonized air is detected by a temp. sensor 10 provided at the outlet of the ozonizer 1. Discharge is continued until a specified temp. is detected. When the specified temp. is detected, the discharge of the ozonizer 1 is stopped after a fixed time. Raw air is supplied after a fixed time to discharge all the ozonized air. Consequently, the NO_x generated on the inner surface of the discharge tube is opportunely removed, and the discharge tube is not broken.

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